Strategic Plan of the University for next five years for quality improvement of Engineering education

1. Introduction of new courses in cutting edge areas of technology in the existing programs. Such courses include Big Data, IoT, Cybersecurity, Robotics, Additive Manufacturing, Genetic Engineering, Renewable Energy, Electric Vehicles etc.
2. Introduction of new programs as per market demand and futuristic requirements.
3. Introduction of more research areas, particularly interdisciplinary ones, having industrial applications and societal relevance.
4. Strong emphasis on startup and incubation activities with a plan to incubate a significant number every year.
5. Creation of more facilities and expertise for undertaking consultancy activities.
6. Creation of more internship and employment opportunities.
7. Development of infrastructure through creation of
    (a) Additional blended class rooms every year
    (b) Virtual labs and virtual classrooms
    (c) Cloud based academic delivery system including those developed by the University itself
    (d) Facilities for implementing digital pedagogy
    (e) More laboratories and associated facilities to start dual degree Engineering programs including UG/PG programs in Advanced Manufacturing and Robotics, AI-based Instrumentation Engineering, ECE etc
    (f) Programs on Precision Agriculture for implementing cost effective vertical farming and low-cost polyhouse
    (g) Programs on Digital Health and Telemedicine for facilitating remote access to quality healthcare
8. Introduction of Vocational and skill-based courses, preferably as top-up skill for graduates.
9. To support existing non - Ph.D faculty members to obtain Ph.D qualification in their respective fields of study.
10. Seamless integration of different functions of all Departments and Sections of the University through cloud-based ERP system.
11. Introduction of blended assessment system – computer and NLP based.
12. Establishment of new engineering workshops to impart skills in latest technologies and experimentation.
13. To equip all engineering students with requisite programming skills.
14. Creation of digital studios for generation and dissemination of online content.
15. Enrichment and scaling up of the library resources including digital learning resources.

16. Networking and collaboration with other national and international Universities / Institutes of repute.
17. Conducting large number of FDPs / Train the Trainer programs to enhance the knowledge and skillsets of the faculty members.
18. Creation of Centres of Excellence in the fields of Artificial Intelligence, Robotics, Cybersecurity, Bio-Engineering, Data Science & Analytics, Electric Vehicles etc. as well as industry supported laboratories and research centres.
19. Strong emphasis on Patents and IPR.
20. Capacity Building to increase student enrollment.
21. To inculcate Green Practices among all the stakeholders (teachers, students, staff etc.) and encourage them to find engineering solutions to issues related to environmental pollution and climate threats.
22. Induction of more faculty members so as to maintain the student-teacher ratio.
23. Introduction and expansion of the "Earn While You Learn" program.
24. All Engineering programs to be NBA accredited.
25. To achieve NIRF rank within 100 and NAAC grade of A++ so as to enable the University to introduce online courses.